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APPLICATION NO). F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,502		07/11/2003	Deshanand P. Singh	ALT.P022	3986
27296	7590	04/19/2006		EXAMINER	
LAWREN		HO	GARBOWSKI, LEIGH M		
P.O. BOX				C	
CHAMPA	IGN, IL 6	01825		ART UNIT	PAPER NUMBER
			·.	2825	
			DATE MAILED: 04/19/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

			H.B
	Application No.	Applicant(s)	
	10/617,502	SINGH ET AL.	
Office Action Summary	Examiner	Art Unit	
	Leigh Marie Garbowski	2825	
The MAILING DATE of this communication appeariod for Reply	ppears on the cover sheet with	the correspondence addres	s
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perio Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a rep of will apply and will expire SIX (6) MONTH ate, cause the application to become ABAI	ATION. ly be timely filed AS from the mailing date of this community NDONED (35 U.S.C. § 133).	
Status			
1)⊠ Responsive to communication(s) filed on 02	February 2006		
<u> </u>	nis action is non-final.		
3) Since this application is in condition for allow		rs, prosecution as to the me	rits is
closed in accordance with the practice under			
Disposition of Claims			
4)⊠ Claim(s) <u>1-29</u> is/are pending in the application	on.		
4a) Of the above claim(s) is/are withdr	awn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-29</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examir	ner.		
10) ☐ The drawing(s) filed on is/are: a) ☐ ac	ccepted or b) objected to by	the Examiner.	
Applicant may not request that any objection to th	e drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the corre	ection is required if the drawing(s)	is objected to. See 37 CFR 1.	121(d).
11) ☐ The oath or declaration is objected to by the ₽	Examiner. Note the attached (Office Action or form PTO-1	52.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of:	gn priority under 35 U.S.C. § 1	19(a)-(d) or (f).	
1. Certified copies of the priority docume	nts have been received.		
2. Certified copies of the priority docume		olication No	
3. Copies of the certified copies of the pri	iority documents have been re	eceived in this National Stag	je
application from the International Bure	au (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a lis	st of the certified copies not re	eceived.	
Attachment(s)	_		
1) Notice of References Cited (PTO-892)		mmary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 	 -	Mail Date ormal Patent Application (PTO-152))
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Inventorship

In view of the papers filed 02/02/2006, it has been found that this nonprovisional application, as filed, through error and without deceptive intent, improperly set forth the inventorship, and accordingly, this application has been corrected in compliance with 37 CFR 1.48(a). The inventorship of this application has been changed by the deletion of lan Chesal, Paul McHardy, and Ivan Hamer as inventors in the application.

The application will be forwarded to the Office of Initial Patent Examination (OIPE) for issuance of a corrected filing receipt, and correction of Office records to reflect the inventorship as corrected.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (f) he did not himself invent the subject matter sought to be patented.

Claims 1-29 are rejected under 35 U.S.C. 102(a) and under 35 U.S. C. 102(f) as being clearly anticipated by Singh et al. ["Incremental Placement for Layout-Driven Optimizations on FPGAs"]. Please see the entire document, particularly section 3.

Claims 1, 18, 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Williams [U.S. Patent #6,631,508 B1].

As per claims 1/26, a method/machine-readable medium for designing a system on a target device utilizing FPGAs, comprising: placing new LEs at preferred locations on a layout of an existing system [column 7, lines 5-14; column 8, lines 22-26; column 9, lines 9-16; column 9, line 63-column 10, line 53]; and resolving illegalities in placement of the new LEs [column 5, lines 40-45; column 6, lines 1-14; column 10, lines 22-27; column 12, lines 22-29; column 13, lines 11-16; column 14, line 45-column 15, line 10]. As per claim 18, a method for designing a system on FPGAs, comprising: determining

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placement of LEs for an existing system [column 7, lines 5-14; column 9, lines 9-10; column 9, line 63-column 10, line 53]; modifying a design for the existing system to improve performance [column 2, lines 28-30; column 6, lines 1-8; column 10, line 54-column 11, line 6]; placing new LEs from a modified design on the placement of LEs for the existing system [column 6, lines 1-8; column 8, lines 22-26; column 9, lines 9-16; column 9, line 63-column 10, line 53]; and resolving illegalities in placement of the new LEs [column 5, lines 40-45; column 6, lines 1-8; column 10, lines 22-27; column 12, lines 22-29; column 13, lines 11-16; column 14, line 45-column 15, line 10].

Response to Amendment

The declarations under 37 CFR 1.132 filed 02/02/2006 are insufficient to overcome the rejection of claims 1-29 based upon Singh et al. ["Incremental Placement for Layout-Driven Optimizations on FPGAs] as set forth in the last Office action because: while the declarations assert that Brown and Singh are co-inventors, the declarations do not provide any explanation regarding the presence of the other named inventors. A satisfactory showing is not provided which would lead to a reasonable conclusion that Brown and Singh are the sole inventors.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leigh Marie Garbowski whose telephone number is 571-272-1893 and e-mail is Leigh.Garbowski@uspto.gov. The examiner can normally be reached on days.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LEIGH M. GARBOWSK PRIMARY EXAMINER